



# iPhone 6 Plus Battery Replacement

Replace the Battery in your iPhone 6 Plus.

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## INTRODUCTION

Use this guide to bring life back to your iPhone 6 Plus with a new battery.

This guide instructs you to remove the front panel assembly; this is intended to prevent damage to the display cables. If you feel comfortable supporting the display carefully while peeling the battery out of the iPhone, you can skip the display removal and go directly to the battery removal steps.

For optimal performance, calibrate your newly installed battery: Drain battery below 10%, then charge uninterrupted to 100%.

You can also use this guide to replace the [battery connector bracket](#).

[video: <https://www.youtube.com/watch?v=F3LQu3EVBX0>]



### TOOLS:

- [P2 Pentalobe Screwdriver iPhone](#) (1)
- [iSclack](#) (1)
- [Suction Handle](#) (1)
- [iFixit Opening Tools](#) (1)
- [Tweezers](#) (1)
- [iOpener](#) (1)
- [Plastic Cards](#) (1)
- [Phillips #000 Screwdriver](#) (1)



### PARTS:

- [iPhone 6 Plus Replacement Battery](#) (1)
- [iPhone 6 Plus/6s Plus/7 Plus Battery Adhesive Strips](#) (1)
- [iPhone 6 Plus Battery Connector Bracket](#) (1)

## Step 1 — Pentalobe Screws



 Before disassembling your iPhone, discharge the battery below 25%. A charged lithium-ion battery can catch fire and/or explode if accidentally punctured.

- Power off your iPhone before beginning disassembly.
- Remove the two 3.6 mm P2 Pentalobe screws next to the Lightning connector.

## Step 2 — iSclack Opening Procedure



- i** The next two steps demonstrate using the [iSclack](#), a great tool for safely opening the iPhone 6 Plus that we recommend for anyone doing more than one repair. **If you aren't using the iSclack, skip to Step 4.**
- If the plastic depth gauge is attached at the center of the iSclack, remove it now—it's not needed for larger phones like the iPhone 6 Plus.
  - Close the handle on the iSclack, opening the suction cup jaws.
  - Place the bottom of your iPhone in between the suction cups.
  - i** Position the iSclack's upper suction cup against the display, near the home button.
  - Open the handles to close the jaws of the iSclack. Center the suction cups and press them firmly onto the top and bottom of the iPhone.

## Step 3



- Hold onto your iPhone securely and close the handle of the iSclack to separate the suction cups, pulling the front panel up from the rear case.
- ⓘ The iSclack is designed to safely open your iPhone enough to separate the pieces, but not enough to damage any of the display cables.
- Peel the two suction cups off your iPhone.
- **Skip the next three steps and continue on to Step 7.**



## Step 4 — Front Panel Assembly



- If you don't have an iSlack, use a single suction cup to lift the front panel:
- Press a suction cup onto the screen, just above the home button.
- ⓘ Be sure the cup is pressed securely onto the screen to get a tight seal.

## Step 5



- While holding the iPhone down with one hand, pull up on the suction cup to slightly separate the front panel assembly from the rear case.
  - ⚠ Take your time and apply firm, constant force. The display assembly is a much tighter fit than most devices.
- Using a plastic opening tool, begin to gently pry the rear case down, away from the display assembly, while continuing to pull up with the suction cup.
- ⓘ There are several clips attaching the front panel assembly to the rear case, so you may need to use a combination of the suction cup and plastic opening tool to free the front panel assembly.

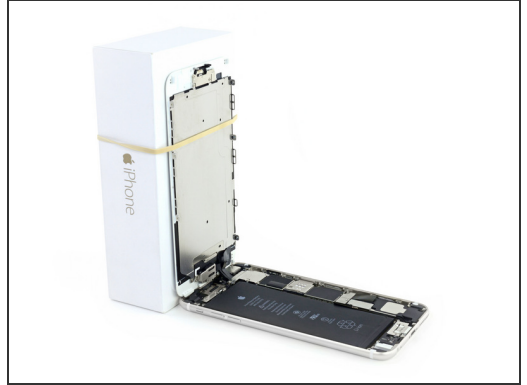
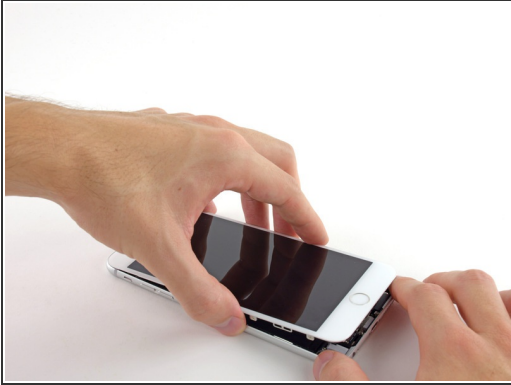
## Step 6



- Pull the plastic nub to release the vacuum seal on the suction cup.
- Remove the suction cup from the display assembly.

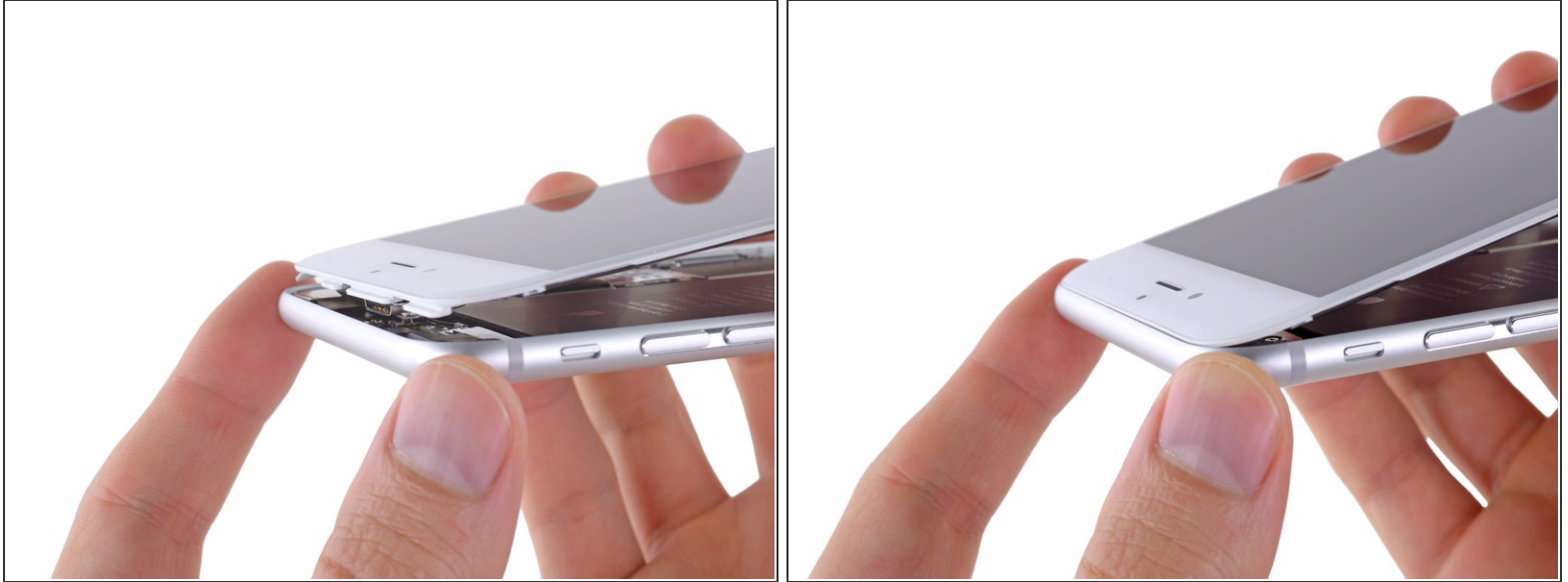




## Step 7



- Pull the home button end of the front panel assembly away from the rear case, using the top of the phone as a hinge.
- Open the display to about a 90° angle, and lean it against something to keep it propped up while you're working on the phone.
  - Add a rubber band to keep the display securely in place while you work. This prevents undue strain on the display cables.
- ❗ In a pinch, you can use an unopened canned beverage to hold the display.

## Step 8



-  Several clips along the top edge of the front panel form a partial hinge, allowing the front panel assembly to swing open like a book.
-  During reassembly, align the clips just below the top edge of the rear case. Then, slide the front panel upward until its top edge is flush with that of the rear case.

## Step 9



- Remove the following Phillips screws from the battery connector bracket:
  - One 2.3 mm screw
  - One 3.1 mm screw

## Step 10



- Remove the metal battery connector bracket from the iPhone.

## Step 11



- Gently pry the battery connector up from its socket on the logic board.
- ⚠ Take care to **only** pry up on the battery connector, and not the socket on the logic board. If you pry up on the logic board socket, you may break the connector entirely.



## Step 12



- While holding the front panel open at about a 90° angle, remove the following Phillips screws securing the front panel assembly cable bracket:

- Three 1.2 mm screws
- One 1.5 mm screw
- One 2.9 mm screw

**⚠ Do not attempt to insert longer screws into the red marked screw holes. Doing so may result in irreparable damage to the logic board.**

## Step 13



- Remove the front panel assembly cable bracket from the logic board.

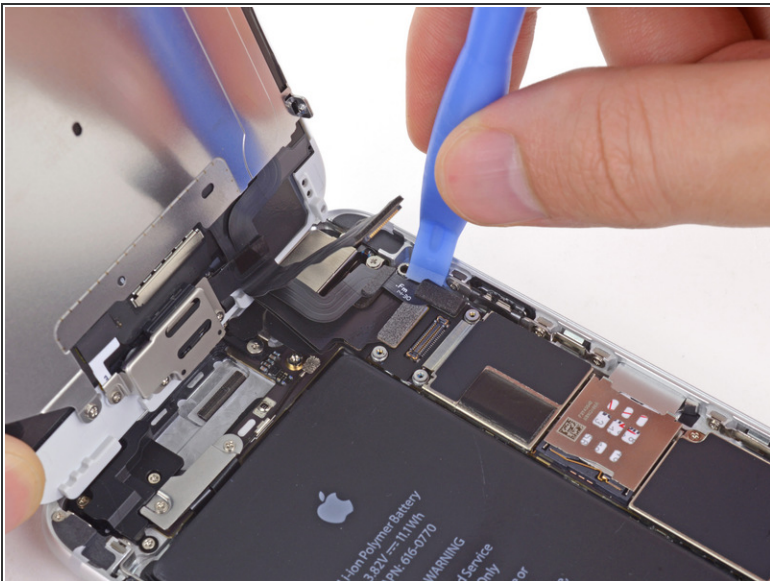
## Step 14



⚠ In the next four steps, take care to pry up **only** on the cable connectors, and not on their sockets on the logic board.

- While still supporting the front panel, use a plastic opening tool to disconnect the front-facing camera and earpiece speaker cable connector.

## Step 15



- Use a plastic opening tool to disconnect the home button cable connector.

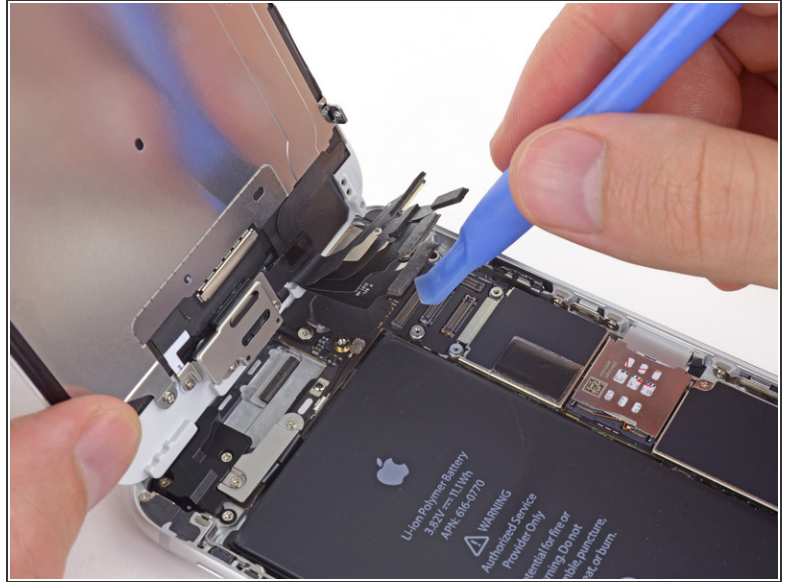
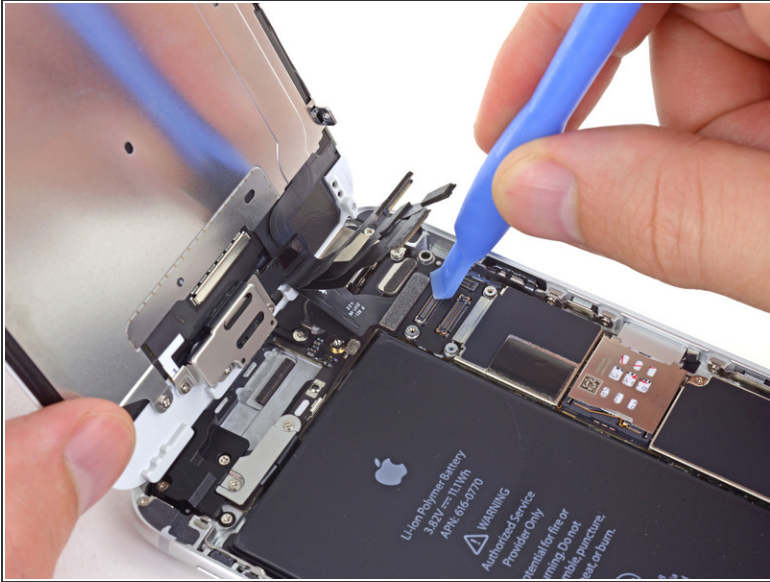


## Step 16



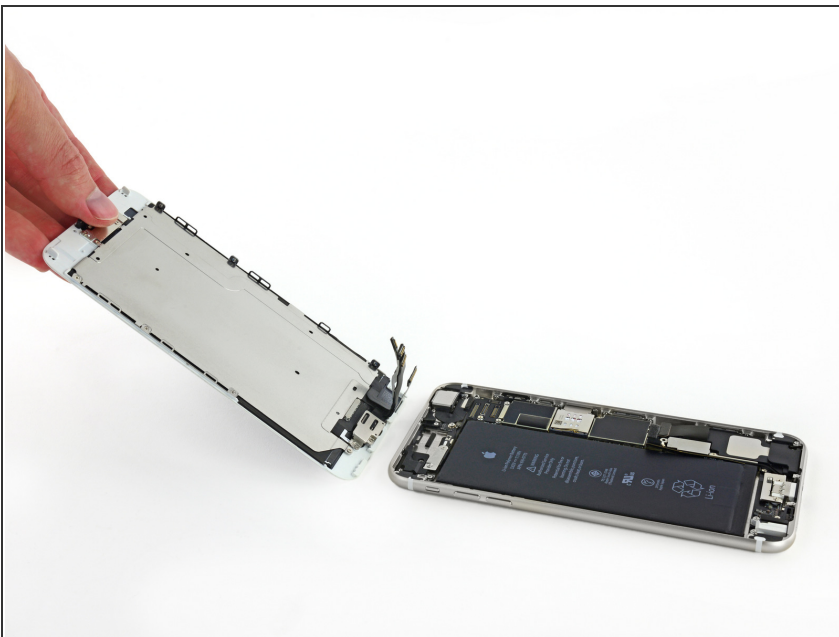
- Use a plastic opening tool to disconnect the display data cable connector.
- ★ When reassembling your phone, the display data cable may pop off the connector. This can result in white lines or a blank screen when powering your phone back on. If that happens, simply reconnect the cable and power cycle your phone. The best way to power cycle your phone is to [disconnect and reconnect the battery connector.](#)

## Step 17



- Finally, use a plastic opening tool to disconnect the digitizer cable connector.
- ✦ When reconnecting the digitizer cable, **do not press the center of the connector**. Press one end of the connector, then press the opposite end. Pressing in the center of the connector can bend the component and cause digitizer damage.

## Step 18



- Remove the front panel assembly from the rear case.

## Step 19 — Battery



- Peel back the first battery adhesive tab from the bottom right edge of the battery.

⚠ Use your fingers or blunt tweezers. Be extra careful when working near the battery; puncturing a lithium-ion battery can release dangerous chemicals and cause a fire.



## Step 20



- Gently pull the battery adhesive tab away from the battery, toward the bottom of the iPhone.
  - To avoid tearing the adhesive strip, be careful not to pull against the battery or lower components.
- Continue pulling, allowing the strip to slowly slip out from between the battery and the rear case. When you feel increased resistance from the strip, stop pulling and continue with the next step.
- ⓘ If the battery adhesive tabs break during the removal process, use your fingers or blunt tweezers to retrieve the remaining length of adhesive, and continue pulling.
- ⚠ If any of the adhesive strips break underneath the battery and cannot be retrieved, try to remove the remaining strips, and then proceed to [Step 25](#).

## Step 21



- When you feel increased resistance from the adhesive strip, pull it gently around the lower right corner of the battery.

⚠ Avoid snagging the adhesive strip on the corner of the battery or the strip may tear or break.

## Step 22

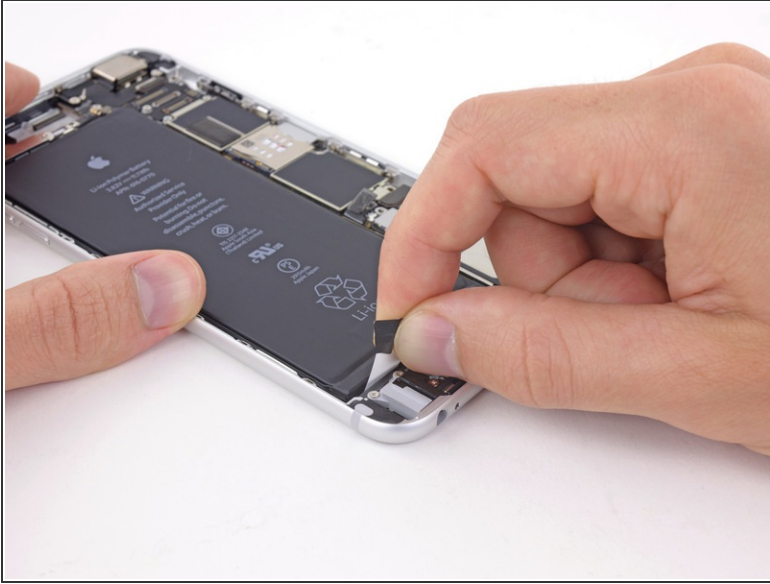


- Continue pulling the adhesive tab upward and away from the right edge of the battery, allowing it to slowly slide out from between the battery and the rear case, until the strip comes free from the iPhone.

⚠ Don't allow the adhesive strip to snag on the battery connector, or it may tear or break off.

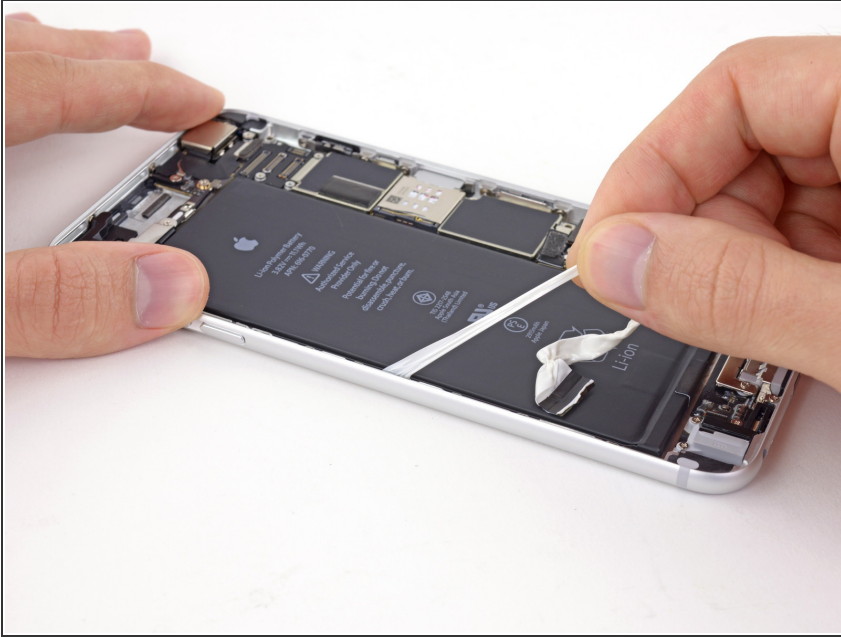


## Step 23



- Peel back the second battery adhesive tab from the bottom left edge of the battery.
- Again, gently pull the battery adhesive tab upward and away from the battery, allowing the adhesive strip to slowly slide out from between the battery and the rear case.
- Continue pulling the adhesive tab until you feel increased resistance, and then stop.

## Step 24




- When you feel increased resistance from the adhesive strip, pull it gently around the lower left corner of the battery.

⚠ Don't allow the adhesive strip to snag on the corner of the battery, or it may tear or break off.

- Continue pulling the adhesive tab upward and away from the left edge of the battery, allowing it to slowly slide out from between the battery and the rear case, until the strip comes free from the iPhone.

## Step 25



- Peel back the final battery adhesive tab from the bottom edge of the battery.
  - Gently pull the battery adhesive tab upward and away from the battery, allowing the adhesive strip to slowly slide out from between the battery and the rear case.
  - Continue pulling until the final strip comes free from the iPhone.
    - If you removed all three adhesive strips successfully, **skip the next two steps and continue on [Step 28](#)**.
-  If any of the adhesive strips broke off underneath the battery and could not be retrieved, **continue with the next step below**.

## Step 26



- If any of the adhesive strips broke off and the battery remains stuck to the rear case, [prepare an iOpener](#) or use a hair dryer to heat the rear case directly behind the battery.

## Step 27



- Flip the iPhone back over and insert a plastic card between the left side of the battery and the rear case.
- ⚠ Don't pry under the topmost section of the battery, near the volume up button and mute switch, or you may damage the [audio controls cable](#), which is adhered to the rear case just beneath the battery.
- ⚠ **Do not** pry against the logic board, or you may permanently damage your iPhone.
- ⚠ Be careful to keep the card as flat as possible to avoid bending the battery, which may damage it and cause it to release dangerous chemicals.
- Press the card in farther to break up the adhesive behind the battery.

## Step 28



- Remove the battery from the iPhone.
- ☑ When installing the battery, refer to [this guide](#) to replace your battery's adhesive strips.
- ☑ Perform a [hard reset](#) after reassembly. This can prevent several issues and simplify troubleshooting.

To reassemble your device, follow these instructions in reverse order. For optimal performance, calibrate your newly installed battery: Drain battery below 10%, then charge uninterrupted to 100%.

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